

ABSTRACT

Disclosed is a system and method for monitoring,
diagnosing, and treating certain medical conditions, such
5 as asthma, gastroesophageal reflux or laryngopharyngeal
reflux. The system includes a mask apparatus or sensor
module fitted with a pH sensor and thermocouple, a
continuous positive airway pressure (CPAP) device, a
10 processing receiver, and a therapeutic
nebulizer/atomizer/humidifier device. The mask apparatus,
CPAP device and therapeutic nebulizer/ atomizer/humidifier
device are connected by a pneumatic means. The pH sensor
15 and the thermocouple are in electrical communication with
the processing receiver that controls, through an
electronic means, the CPAP device and therapeutic
nebulizer/atomizer/humidifier device. The electrical
20 communications can be in the form of a plurality of wires
or employ wireless means.

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